

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	26	FEB 13	CASREACT coverage to be extended
NEWS	27	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	28	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	29	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	30	FEB 26	MEDLINE reloaded with enhancements
NEWS	31	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	32	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	33	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	34	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:51:40 ON 12 MAR 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 19:51:53 ON 12 MAR 2007

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STRUCTURE FILE UPDATES: 11 MAR 2007 HIGHEST RN 926007-42-3

DICTIONARY FILE UPDATES: 11 MAR 2007 HIGHEST RN 926007-42-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s beta hydroxy beta methyl butyrate

1716826 BETA

3670853 HYDROXY

1716826 BETA

17583210 METHYL

8397 BUTYRATE

L1 1 BETA HYDROXY BETA METHYL BUTYRATE

(BETA (W) HYDROXY (W) BETA (W) METHYL (W) BUTYRATE)

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 135236-72-5 REGISTRY

ED Entered STN: 02 Aug 1991

CN Butanoic acid, 3-hydroxy-3-methyl-, calcium salt (2:1) (9CI) (CA INDEX NAME)

OTHER NAMES:

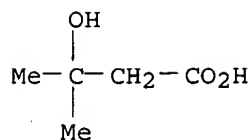
CN Calcium β -hydroxy- β -methylbutyrate

MF C5 H10 O3 . 1/2 Ca

SR CA

LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, PROUSDDR, TOXCENTER, USPATFULL

CRN (625-08-1)



● 1/2 Ca

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s carnitine

L2 920 CARNITINE

=> s eicosapentaenoic acid

951 EICOSAPENTAENOIC

8122654 ACID

L3 932 EICOSAPENTAENOIC ACID

(EICOSAPENTAENOIC (W) ACID)

=> s docoshexaenoic acid

0 DOCOSHEXAENOIC

8122654 ACID

L4 0 DOCOSHEXAENOIC ACID

(DOCOSHEXAENOIC (W) ACID)

=> s docosaheptaenoic acid

963 DOCOSAHEXAENOIC

8122654 ACID

L5 958 DOCOSAHEXAENOIC ACID

(DOCOSAHEXAENOIC (W) ACID)

=> s fructooligosaccharide

L6 0 FRUCTOOLIGOSACCHARIDE

=> s 12

L7 920 CARNITINE

=> d

L7 ANSWER 1 OF 920 REGISTRY COPYRIGHT 2007 ACS on STN

RN 922788-39-4 REGISTRY

ED Entered STN: 22 Feb 2007

CN Transporter of the Betaine / Carnitine / Choline Transporter family
(Gramella forsetii strain KT0803) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CAL67508

CN GenBank CAL67508 (Translated from: GenBank CU207366)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR GenBank

LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 13

951 EICOSAPENTAENOIC

8122654 ACID

L8

932 EICOSAPENTAENOIC ACID

(EICOSAPENTAENOIC(W)ACID)

=> d

L8 ANSWER 1 OF 932 REGISTRY COPYRIGHT 2007 ACS on STN

RN 916218-11-6 REGISTRY

ED Entered STN: 22 Dec 2006

CN 2,4,6,10,12-Eicosapentaenoic acid, 19,20-bis(acetyloxy)-9-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-20-[(2R,3R,4S,5S,6R)-4-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-6-[(2R)-2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-3-methoxypropyl]tetrahydro-2-methoxy-3,5-dimethyl-2H-pyran-2-yl]-16-hydroxy-17-methoxy-2,4,6,8,12-pentamethyl-, ethyl ester, (2E,4E,6E,8R,9R,10E,12E,16S,17S,19S,20R) - (CA INDEX NAME)

FS STEREOSEARCH

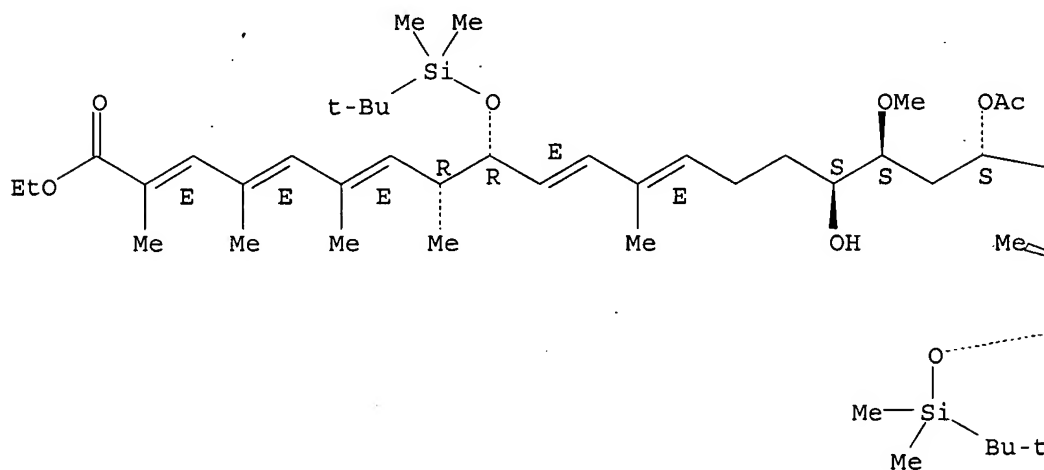
MF C62 H114 O14 Si3

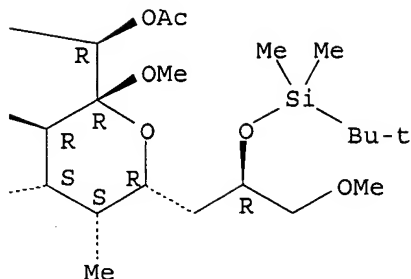
SR CA

LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 14

0 DOCOSHEXAENOIC
8122654 ACID

L9 0 DOCOSHEXAENOIC ACID
(DOCOSHEXAENOIC (W) ACID)

=> s 15

963 DOCOSAHEXAENOIC
8122654 ACID

L10 958 DOCOSAHEXAENOIC ACID
(DOCOSAHEXAENOIC (W) ACID)

=> d

L10 ANSWER 1 OF 958 REGISTRY COPYRIGHT 2007 ACS on STN

RN 919439-51-3 REGISTRY

ED Entered STN: 06 Feb 2007

CN 4,7,10,13,16,19-Docosahexaenoic acid, (4Z,7Z,10Z,13Z,16Z,19Z)-, mixt.
with (5Z,8Z,11Z,14Z,17Z)-5,8,11,14,17-docosapentaenoic acid and
(5Z,8Z,11Z,14Z)-5,8,11,14-eicosatetraenoic acid (CA INDEX NAME)

FS STEREOSEARCH

MF C22 H34 O2 . C22 H32 O2 . C20 H32 O2

CI MXS

SR CA

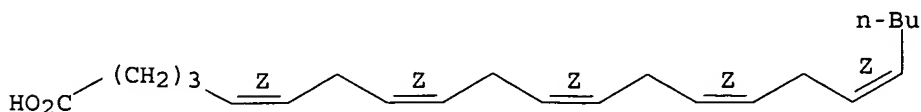
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 24257-13-4

CMF C22 H34 O2

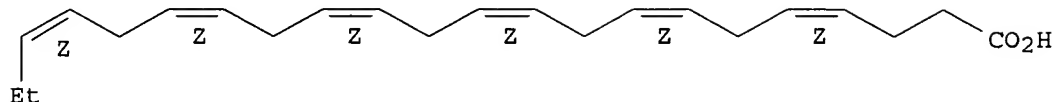
Double bond geometry as shown.



CM 2

CRN 6217-54-5
CMF C22 H32 O2

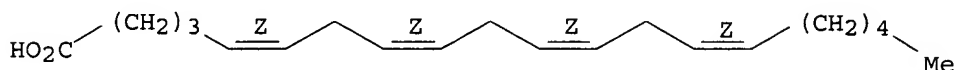
Double bond geometry as shown.



CM 3

CRN 506-32-1
CMF C20 H32 O2

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 16

L11 0 FRUCTOOLIGOSACCHARIDE

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
114.00	114.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 19:55:03 ON 12 MAR 2007

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FILE COVERS 1907 - 12 Mar 2007 VOL 146 ISS 12

FILE LAST UPDATED: 11 Mar 2007 (20070311/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s us20050215640/pn

L12 1 US20050215640/PN

(US2005215640/PN)

=> sel rn
E1 THROUGH E14 ASSIGNED

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	2.56	116.77

FILE 'REGISTRY' ENTERED AT 19:55:32 ON 12 MAR 2007
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STRUCTURE FILE UPDATES: 11 MAR 2007 HIGHEST RN 926007-42-3
DICTIONARY FILE UPDATES: 11 MAR 2007 HIGHEST RN 926007-42-3

New CAS Information Use Policies, enter HELP USAGETERMS for details..

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e1-e14

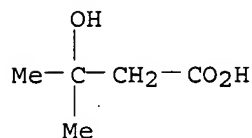
1 625-08-1/BI
(625-08-1/RN)
1 10417-94-4/BI
(10417-94-4/RN)
1 137632-07-6/BI
(137632-07-6/RN)
1 137632-08-7/BI
(137632-08-7/RN)
1 140879-24-9/BI
(140879-24-9/RN)
1 155206-13-6/BI
(155206-13-6/RN)
1 155206-14-7/BI
(155206-14-7/RN)
1 176389-82-5/BI
(176389-82-5/RN)
1 1823-52-5/BI
(1823-52-5/RN)
1 472998-88-2/BI
(472998-88-2/RN)
1 541-15-1/BI
(541-15-1/RN)
1 6217-54-5/BI
(6217-54-5/RN)
1 786710-98-3/BI
(786710-98-3/RN)
1 9004-10-8/BI
(9004-10-8/RN)

L13 14 (625-08-1/BI OR 10417-94-4/BI OR 137632-07-6/BI OR 137632-08-7/B

I OR 140879-24-9/BI OR 155206-13-6/BI OR 155206-14-7/BI OR 17638
9-82-5/BI OR 1823-52-5/BI OR 472998-88-2/BI OR 541-15-1/BI OR
6217-54-5/BI OR 786710-98-3/BI OR 9004-10-8/BI)

=> d 1-14

L13 ANSWER 1 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 786710-98-3 REGISTRY
ED Entered STN: 23 Nov 2004
CN Butanoic acid, 3-hydroxy-3-methyl-, magnesium salt (1:1) (9CI) (CA INDEX
NAME)
MF C5 H10 O3 . Mg
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (625-08-1)



● Mg

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 2 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 472998-88-2 REGISTRY
ED Entered STN: 11 Nov 2002
CN Kinase (phosphorylating), protein, aPKC (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Atypical protein kinase C
CN Protein kinase (phosphorylating) aPKC
CN Protein kinase aPKC
CN Protein kinase C
CN Protein kinase C₁
CN Protein kinase C₂
CN Protein kinase C₃
CN Protein kinase C₄
CN Protein kinase C₅
MF Unspecified
CI MAN
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

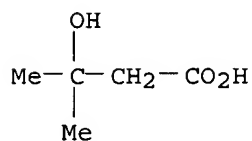
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1017 REFERENCES IN FILE CA (1907 TO DATE)
19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1024 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 3 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 176389-82-5 REGISTRY
ED Entered STN: 17 May 1996
CN Butanoic acid, 3-hydroxy-3-methyl-, calcium salt (1:1) (9CI) (CA INDEX
NAME)
MF C5 H10 O3 . Ca
SR CA

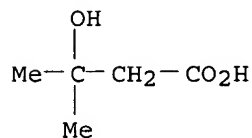
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (625-08-1)



● Ca

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

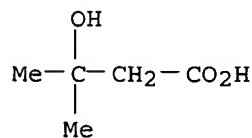
L13 ANSWER 4 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 155206-14-7 REGISTRY
ED Entered STN: 20 May 1994
CN Butanoic acid, 3-hydroxy-3-methyl-, monopotassium salt (9CI) (CA INDEX NAME)
MF C5 H10 O3 . K
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (625-08-1)



● K

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 5 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 155206-13-6 REGISTRY
ED Entered STN: 20 May 1994
CN Butanoic acid, 3-hydroxy-3-methyl-, monosodium salt (9CI) (CA INDEX NAME)
MF C5 H10 O3 . Na
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
CRN (625-08-1)



● Na

8 REFERENCES IN FILE CA (1907 TO DATE)

8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 6 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 140879-24-9 REGISTRY
ED Entered STN: 26 Apr 1992
CN Proteinase, multicatalytic (CA INDEX NAME)
OTHER NAMES:
CN 20S proteasome
CN 26 S Protease
CN 26S proteasome
CN E.C. 3.4.25.1
CN E.C. 3.4.99.46
CN Large multicatalytic protease
CN Multicatalytic protease
CN Multicatalytic proteinase
CN Multicatalytic proteinase complex
CN Organelle, proteasome
CN Prosome
CN Proteasome
CN Tricorn protease
CN Tricorn proteinase
MF Unspecified
CI MAN
SR CA
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CHEMCATS,
CIN, EMBASE, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8211 REFERENCES IN FILE CA (1907 TO DATE)
46 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8248 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 7 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
RN 137632-08-7 REGISTRY
ED Entered STN: 29 Nov 1991
CN Kinase (phosphorylating), protein, ERK2 (CA INDEX NAME)
OTHER NAMES:
CN 42 kDa MAP kinase
CN ERK 2 kinase
CN ERK2 MAP kinase
CN ERK2 mitogen-activated protein kinase
CN ERK2 protein kinase
CN Extracellular signal-regulated kinase 2
CN Extracellular signal-regulated kinase p42
CN Extracellular signal-regulated protein kinase 2
CN Extracellular signal-related kinase 2
CN Gene Erk2 protein kinase
CN MAP kinase 1
CN MAP kinase ERK2
CN MAP kinase p41mapk
CN MAP kinase p42
CN MAP kinase-2
CN MAPK2
CN Mitogen-activated kinase Erk-2
CN Mitogen-activated protein kinase 1
CN Mitogen-activated protein kinase 2
CN Mitogen-activated protein kinase ERK2
CN Mitogen-activated protein kinase p41mapk
CN Mitogen-activated protein kinase p42
CN Mitogen-activated protein kinase Xp42
CN Myelin basic protein kinase P42
CN p42 ERK kinase

CN p42 ERK-2 kinase
 CN P42 MAP kinase
 CN p42 MAPK
 CN P42 mitogen-activated protein kinase
 CN p42mapk Kinase
 CN P42mapk proline-directed protein kinase
 CN P42mapk protein kinase
 CN Pp42 map kinase
 CN Pp42 mitogen-activated protein kinase
 CN Pp42mapk phosphoproteins
 CN Protein kinase ERK2
 CN Protein kinase MAPK1
 CN Protein kinase MAPK2
 CN Protein kinase MPK2
 CN Protein kinase p42mapk
 CN Protein kinase p42mapk
 CN Protein kinase PK40erk2
 CN Protein p42mapk kinase
 DR 144713-49-5
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN, EMBASE, PROMT,
 TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16309 REFERENCES IN FILE CA (1907 TO DATE)
 672 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 16386 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 8 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 137632-07-6 REGISTRY
 ED Entered STN: 29 Nov 1991
 CN Kinase (phosphorylating), protein, ERK1 (CA INDEX NAME)
 OTHER NAMES:
 CN ERK1 kinase
 CN ERK1 map kinase
 CN ERK1 mitogen-activated protein kinase
 CN ERK1 phosphoproteins
 CN ERK1 protein kinase
 CN Extracellular signal-regulated kinase 1
 CN Extracellular signal-regulated kinase 1 phosphoproteins
 CN Extracellular signal-regulated kinase p44
 CN Extracellular signal-regulated protein kinase 1
 CN Extracellular signal-regulated protein kinase ERK1
 CN Gene Erk-1 myelin basic protein kinase
 CN Gene Erk1 protein kinase
 CN MAP kinase 3
 CN MAP kinase p44ERK-1
 CN MAP kinase p44erk1/mapk
 CN MAPK3
 CN Mitogen-activated kinase Erk-1
 CN Mitogen-activated protein kinase 3
 CN Mitogen-activated protein kinase ERK1
 CN Mitogen-activated protein kinase p44
 CN Mitogen-activated protein kinase p44mapk
 CN p44 ERK kinase
 CN P44 ERK-1 kinase
 CN P44 MAP kinase
 CN p44 MAPK
 CN P44 mitogen-activated protein kinase
 CN P44mapk Kinase

CN P44mpk MAP kinase
 CN P44mpk meiosis-activated myelin basic protein kinase
 CN Pp44 mitogen-activated protein kinase
 CN Pp44mapk phosphoproteins
 CN Protein kinase ERK 1
 CN Protein kinase ERK1b
 CN Protein kinase p44mapk
 CN Protein kinase p44mapk
 CN Protein p44mapk kinase
 DR 144713-48-4
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, EMBASE, TOXCENTER,
 USPAT2, USPATFULL

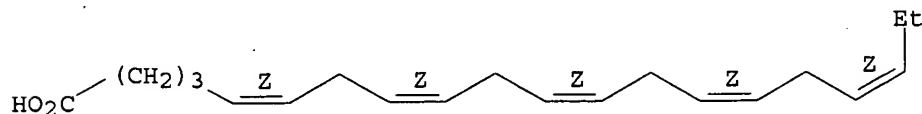
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15115 REFERENCES IN FILE CA (1907 TO DATE)
 678 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 15189 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 9 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 10417-94-4 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 5,8,11,14,17-Eicosapentaenoic acid, (5Z,8Z,11Z,14Z,17Z)- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 5,8,11,14,17-Eicosapentaenoic acid (6CI)
 CN 5,8,11,14,17-Eicosapentaenoic acid, (all-Z)- (8CI)
 OTHER NAMES:
 CN (5Z,8Z,11Z,14Z,17Z)-Eicosapentaenoic acid
 CN (all-cis)-5,8,11,14,17-Eicosapentaenoic acid
 CN (all-Z)-Δ5,8,11,14,17-Eicosapentaenoic acid
 CN (all-Z)-5,8,11,14,17-Eicosapentaenoic acid
 CN Eicosapentaenoic acid
 CN EPA
 CN Icosapent
 CN Icosapentaenoic acid
 CN Incromega E 7010SR
 CN Timnodonic acid
 FS STEREOSEARCH
 DR 25377-48-4
 MF C20 H30 O2
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO,
 CA, CABA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM,
 DDFU, DRUGU, EMBASE, IFICDB, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, MRCK*,
 PATDPASPC, PHAR, PROMT, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: WHO

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10159 REFERENCES IN FILE CA (1907 TO DATE)
222 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
10196 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L13 ANSWER 10 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN

RN 9004-10-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN Insulin (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Actrapid

CN Actrapid HM

CN Actrapid MC

CN Decurvon

CN Dermulin

CN Endopancrine

CN Exubera

CN HMR 4006

CN Iletin

CN Insular

CN Insulin Injection

CN Insulyl

CN Intesulin B

CN Iszilin

CN Mixtard

CN Musulin

DR 8049-67-0, 8049-95-4, 9004-12-0, 9037-76-7, 9045-63-0, 9045-65-2,
9045-66-3, 9045-67-4, 9066-39-1, 9066-40-4, 11081-38-2, 57126-42-8,
37243-75-7, 37294-43-2, 69090-47-7, 88026-11-3, 88026-12-4

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA,
CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE,
MRCK*, NAPRALERT, PHAR, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2,
USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

115276 REFERENCES IN FILE CA (1907 TO DATE)

2054 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

115521 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 11 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN

RN 6217-54-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN 4,7,10,13,16,19-Docosahexaenoic acid, (4Z,7Z,10Z,13Z,16Z,19Z)- (9CI) (CA
INDEX NAME)

OTHER CA INDEX NAMES:

CN 4,7,10,13,16,19-Docosahexaenoic acid, (all-Z)- (8CI)

CN Docosahexaenoic acid (6CI)

OTHER NAMES:

CN (4Z,7Z,10Z,13Z,16Z,19Z)-4,7,10,13,16,19-Docosahexaenoic acid

CN (4Z,7Z,10Z,13Z,16Z,19Z)-Docosahexaenoic acid

CN (4Z,7Z,10Z,13Z,16Z,19Z)-Docosahexenoic acid

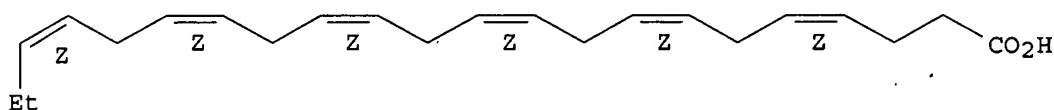
CN (all-Z)-4,7,10,13,16,19-Docosahexaenoic acid

CN Δ 4,7,10,13,16,19-Docosahexaenoic acid

CN 4-cis,7-cis,10-cis,13-cis,16-cis,19-cis-Docosahexaenoic acid

CN all-cis-4,7,10,13,16,19-Docosahexaenoic acid
 CN all-Z-Docosahexaenoic acid
 CN Cervonic acid
 CN DHA
 CN Doconexent
 CN Marinol D 50TG
 FS STEREOSEARCH
 DR 25377-50-8
 MF C22 H32 O2
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM, EMBASE, IMSRESEARCH, MRCK*, PATDPASPC, PROMT, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO

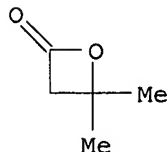
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10819 REFERENCES IN FILE CA (1907 TO DATE)
 183 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 10861 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

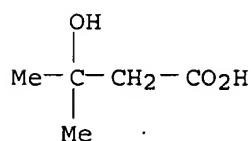
L13 ANSWER 12 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 1823-52-5 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 2-Oxetanone, 4,4-dimethyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Butyric acid, 3-hydroxy-3-methyl-, β -lactone (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN β,β -Dimethyl- β -propiolactone
 CN β,β -Dimethyl-propiolactone
 CN 3,3-Dimethyl-3-propanolide
 CN 4,4-Dimethyl-2-oxetanone
 MF C5 H8 O2
 CI COM
 LC STN Files: ANABSTR, BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMLIST, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

46 REFERENCES IN FILE CA (1907 TO DATE)
 46 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L13 ANSWER 13 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 625-08-1 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Butanoic acid, 3-hydroxy-3-methyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Butyric acid, 3-hydroxy-3-methyl- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN β -Hydroxy- β -methylbutyric acid
 CN β -Hydroxyisovaleric acid
 CN 3-Hydroxy-3-methylbutanoic acid
 CN 3-Hydroxy-3-methylbutyric acid
 CN 3-Hydroxyisovaleric acid
 MF C5 H10 O3
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD,
 CAPLUS, CASREACT, CHEMCATS, CSCHEM, EMBASE, IPA, MEDLINE, SPECINFO,
 TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



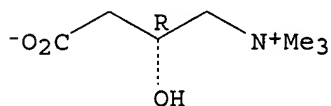
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

341 REFERENCES IN FILE CA (1907 TO DATE)
 9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 342 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L13 ANSWER 14 OF 14 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 541-15-1 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Butanaminium, 2,4-dihydroxy-N,N,N-trimethyl-4-oxo-, inner salt, (2R)-
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Propanaminium, 3-carboxy-2-hydroxy-N,N,N-trimethyl-, hydroxide, inner
 salt, (R)-
 CN 1-Propanaminium, 3-carboxy-2-hydroxy-N,N,N-trimethyl-, inner salt, (2R)-
 (9CI)
 CN Ammonium, (3-carboxy-2-hydroxypropyl)trimethyl-, hydroxide, inner salt, L-
 (8CI)
 OTHER NAMES:
 CN (-)-Carnitine
 CN (-)-L-Carnitine
 CN (R)-Carnitine
 CN 1-Propanaminium, 3-carboxy-2-hydroxy-N,N,N-trimethyl-, inner salt, (R)-
 Carniking
 CN Carniking 50
 CN Carnilean
 CN Carnipass
 CN Carnipass 20
 CN Carnitene
 CN Carnitine
 CN Carnitine, (-)-
 CN Carnitor
 CN Coaxel
 CN L-(-)-Carnitine
 CN l-Carnitine

CN L-Carnitine
 CN Levocarnitine
 CN ST 198
 CN Vitamin BT
 FS STEREOSEARCH
 DR 7634-98-2, 101512-81-6, 4209-27-2
 MF C7 H15 N O3
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CIN, CSChem, CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT,
 IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK*,
 MSDS-OHS, NAPRALERT, PHAR, PROMT, PS, RTECS*, SCISEARCH, TOXCENTER,
 USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5638 REFERENCES IN FILE CA (1907 TO DATE)
 999 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 5654 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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